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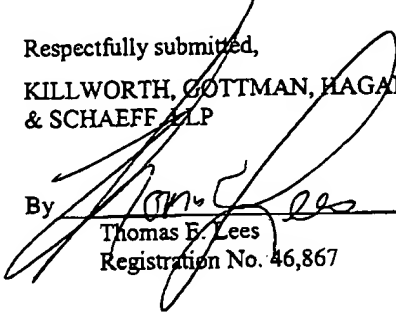
REMARKS

This supplemental amendment is in furtherance to the Response to the Restriction Requirement and Fourth Preliminary Amendment filed on May 23, 2002. In that response, a clean version of claims 43-50 was inadvertently and innocently omitted from the response as filed. The omission was made due to a clerical error without any deceptive intent. Accordingly, the applicants are providing in this supplemental amendment, a duplicate copy of the amendments to claims 43-50 in clean form as well as in marked up form in compliance with 37 C.F.R. §1.121(c).

CONCLUSION

The applicants respectfully submit that the pending claims represent allowable subject matter. The Examiner is encouraged to contact the undersigned to resolve efficiently any formal matters or to discuss any aspects of the application or of this response. Otherwise, early notification of allowable subject matter is respectfully solicited.

Respectfully submitted,  
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Appendix A

VERSION WITH MARKINGS TO SHOW CHANGES MADE

5343. (Amended) A method of fabricating a memory cell comprising:

providing a substrate;

forming a first semiconductor structure and a second semiconductor structure within the substrate;

forming a first pull-up transistor ~~within the first semiconductor structure by forming~~  
having a first source and a first drain in the substrate-first semiconductor structure and forming a  
first gate over the substrate-first semiconductor structure;

forming a first pull-down transistor ~~within the first semiconductor structure by forming~~  
having a second source and a second drain in the substrate and forming a second gate over the  
substrate;

forming a first contact and a second contact within the first semiconductor structure;

forming a second pull-up transistor ~~within the second semiconductor structure by~~  
~~forming~~having a third source and a third drain in the substrate-second semiconductor structure  
and forming a third gate over the substrate-second semiconductor structure;

forming a second pull-down transistor ~~within the first semiconductor structure by~~  
~~forming~~having a fourth source and a fourth drain in the substrate, and forming a fourth gate over  
the substrate;

forming a third contact and a fourth contact within the second semiconductor structure;

coupling the first drain to the second drain and the third drain to the fourth drain;

coupling the first gate to the second gate and the third gate to the fourth gate;

coupling the first source to the second contact; ~~and~~

coupling the first contact to a first voltage input such that the first source is coupled to the  
first voltage input through parasitic resistance of the first semiconductor structure; ~~and~~

coupling the third source to the fourth contact; and

coupling the third contact to the first voltage input such that the ~~first-third~~ source is  
coupled to the first voltage input through parasitic resistance of the second semiconductor  
structure.

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5444. (Amended) The method of claim 5343, further comprising:  
doping the substrate to form a p-type conductivity; and  
forming a n-type well within the first semiconductor structure.

5545. (Amended) The method of claim 5444, further comprising forming a n-type well within the second semiconductor structure.

5646. (Amended) A method of fabricating an SRAM memory array comprising:  
providing a substrate;  
forming a plurality of memory cells arranged in rows and columns, each of the plurality of memory cells fabricated by:

forming a first semiconductor structure within the substrate;

forming a second semiconductor structure within the substrate;

forming a first pull-up transistor within the first semiconductor structure by forming having first source and a first drain in the substrate first semiconductor structure and  
forming a first gate over the substrate first semiconductor structure;

forming a first pull-down transistor within the first semiconductor structure by forming having a second source and a second drain in the substrate and forming a second gate over the substrate;

forming a first contact and a second contact within the first semiconductor structure;

forming a second pull-up transistor within the second semiconductor structure by forming having a third source and a third drain in the substrate second semiconductor structure  
and forming a third gate over the substrate second semiconductor structure;

forming a second pull-down transistor within the first semiconductor structure by forming having a fourth source and a fourth drain in the substrate and forming a fourth gate over the substrate;

forming a third contact and a fourth contact within the second semiconductor structure;

forming a first terminal and a second terminal of a first access transistor in the substrate;

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forming a third terminal and a fourth terminal of a second access transistor in the substrate

coupling the first drain to the second drain and the third drain to the fourth drain;

coupling the first gate to the second gate and the third gate to the fourth gate;

coupling the first terminal to the first and second drains;

coupling the third terminal to the third and fourth drains;

coupling the first source to the second contact; ~~and~~

coupling the first contact to a first voltage input such that the first source is coupled to the first voltage input through parasitic resistance of the first semiconductor structure; ~~and~~

coupling the third source to the fourth contact; and

coupling the third contact to the first voltage input such that the ~~first~~ third source is coupled to the first voltage input through parasitic resistance of the second semiconductor structure;

coupling the first and second access gates of each of the plurality of memory cells to respective row lines;

coupling the second terminals of each of the plurality of memory cells to respective first column lines; and

coupling the fourth terminals of each of the plurality of memory cells to respective second column lines.

~~5747.~~ (Amended) A method of fabricating a memory device comprising:

forming a first semiconductor structure having a first type region and second type region;

forming a first pull-up transistor ~~within the first semiconductor structure by~~

~~forming~~ having a first source, and a first drain in the first type region and a first gate over the first type region;

forming a first pull-down transistor ~~within the first semiconductor structure by~~

~~forming~~ having a second source and a second drain in the second type region; and a second gate over the second type region;

forming a first contact and a second contact within the first semiconductor structure;

coupling the first drain to the second drain;

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coupling the first gate to the second gate; and  
coupling the first source to the second contact; and  
coupling the first contact to a first voltage input such that the first source is coupled to the first voltage input through parasitic resistance of the first semiconductor structure.

5848. (Amended) A method of fabricating a memory device:

forming a first semiconductor structure having a first type region and a second type region and a second semiconductor structure having a first type region and a second type region;

forming a first pull-up transistor within the first semiconductor structure by forming a first source, and a first drain in the first type region; and a first gate over the first type region;

forming a first pull-down transistor within the first semiconductor structure by forming a second source, and a second drain in the second type region; and a second gate over the second type region;

forming a first contact and a second contact within the first semiconductor structure;

forming a second pull-up transistor within the second semiconductor structure by forming a third source, and a third drain in the first type region; and a third gate over the first type region;

forming a second pull-down transistor within the ~~first-second~~ semiconductor structure by forming a fourth source, and a fourth drain in the second type region; and a fourth gate over the second type region;

forming a third contact and a fourth contact within the second semiconductor structure;

coupling the first drain to the second drain and the third drain to the fourth drain;

coupling the first gate to the second gate and the third gate to the fourth gate;

coupling the first source to the second contact; ~~and~~

coupling the first contact to a first voltage input such that the first source is coupled to the first voltage input through parasitic resistance of the first semiconductor structure; ~~and~~

coupling the third source to the fourth contact; and

coupling the third contact to the first voltage input such that the ~~first-third~~ source is coupled to the first voltage input through parasitic resistance of the second semiconductor structure.

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5949. (Amended) The method of claim 5848, further comprising:-  
~~—doping the substrate to form a p-type conductivity; and~~  
~~—forming a n-type well within the first semiconductor structure.~~

6050. (Amended) A method of fabricating a memory device comprising:

forming a plurality of memory cells arranged in rows and columns, each of the plurality of memory cells fabricated by:

forming a first semiconductor structure having a first type region and a second type region;

forming a second semiconductor structure having a first type region and a second type region;

forming a first pull-up transistor within the first semiconductor structure by forming a first source, and a first drain in the first type region; and a first gate over the first type region;

forming a first pull-down transistor within the first semiconductor structure by forming a second source, and a second drain in the second type region and a second gate over the second type region;

forming a first contact and a second contact within the first semiconductor structure;

forming a second pull-up transistor within the second semiconductor structure by forming a third source and a third drain in the first type region; and a third gate in the second type region;

forming a second pull-down transistor within the first-second semiconductor structure by forming a fourth source, and a fourth drain in the second type region; and a fourth gate over the second type region;

forming a third contact and a fourth contact within the second semiconductor structure;

forming a first terminal and a second terminal of a first access transistor in the substrate;

forming a third terminal and a fourth terminal of a second access transistor in the substrate

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coupling the first drain to the second drain and the third drain to the fourth drain;  
coupling the first gate to the second gate and the third gate to the fourth gate;  
coupling the first terminal to the first and second drains;  
coupling the third terminal to the third and fourth drains;  
coupling the first source to the second contact; ~~and~~  
coupling the first contact to a first voltage input such that the first source is  
coupled to the first voltage input through parasitic resistance of the first semiconductor structure;  
~~and~~

coupling the third source to the fourth contact; ~~and~~  
coupling the third contact to the first voltage input such that the first-third source  
-is coupled to the first voltage input through parasitic resistance of the second semiconductor  
structure;

coupling the first and second access gates of each of the plurality of memory cells to  
respective row lines;

coupling the second terminals of each of the plurality of memory cells to respective first  
column lines; and

coupling the fourth terminals of each of the plurality of memory cells to respective  
second column lines.